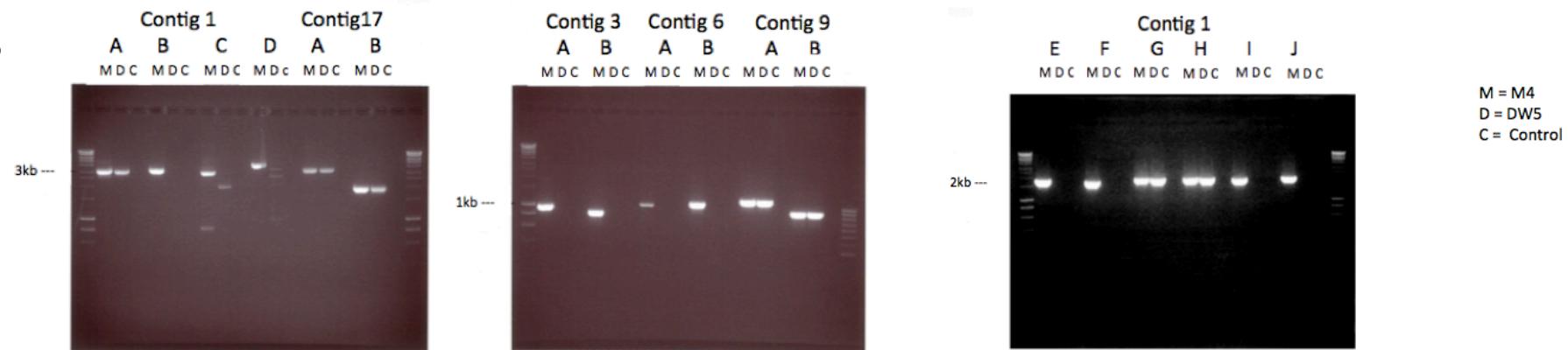
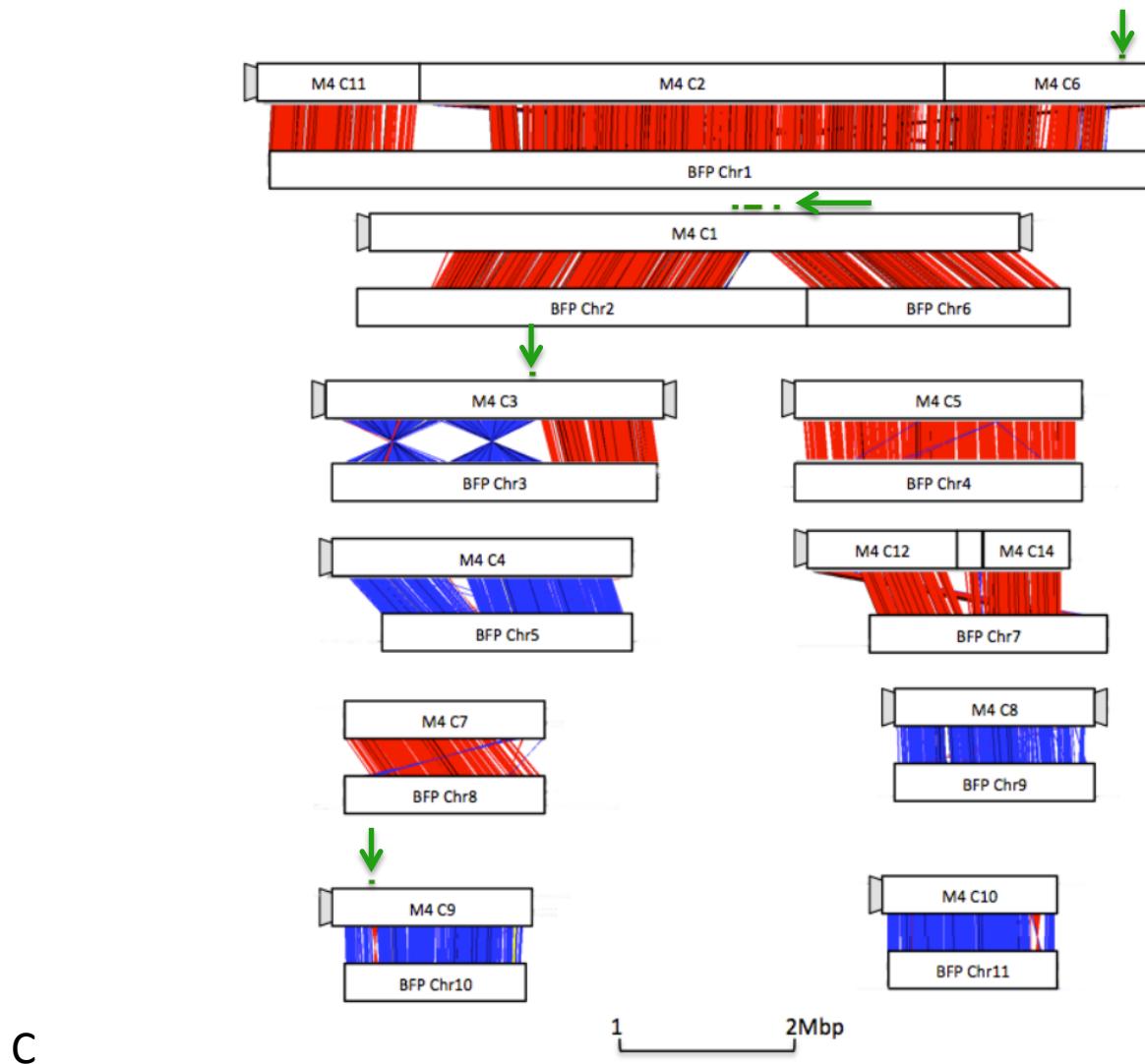


A

Contig	Gel lane	Left primer position (bp)	Right primer position (bp)	Product	Left GC%	Right GC%	M4	DW5	Pt-C-BFP <i>in silico</i>
Contig 3	A	2102043	2102988	945	50	50	+	-	-
	B	2101652	2102487	835	54.55	45.45	+	-	-
Contig 6	A	488429	489442	1013	50	50	+	-	-
	B	488378	489442	1064	50	50	+	-	-
Contig 9	A	548609	549759	1150	50	50	+	+	-
	B	548613	549759	1146	50	50	+	+	-
Contig 1	A	4109952	4113126	3174	50	50	+	+	-
	B	4111821	4115104	3283	45.45	54.55	+	-	-
	C	4118742	4121830	3088	50	50	+	-	-
	D	4113998	4118229	4231	50	50	+	-	-
	E	4105316	4107227	1912	50	50	+	-	-
	F	4105316	4107095	1780	50	50	+	-	-
	G	4315899	4317853	1955	50	45.45	+	+	-
	H	4316084	4318048	1965	45.45	50	+	+	-
	I	5798243	5800132	1890	50	45.45	+	-	-
	J	5798150	5800132	1983	50	45.45	+	-	-
Contig 17	A	48325	51692	3367	43.48	40.91	+	+	-
	B	93516	95494	1978	40.91	50	+	+	-

B

S2A & B Fig. PCR validation of M4 PacBio assembly (1 of 2 slides)



C

S2C Fig. PCR validation of pre optical map M4 PacBio contig sequence (2 of 2 slides)

Sequence alignment is shown between M4 PacBio assembly and BFP. The regions confirmed by PCR are indicated (green arrow) above M4 contig 1, 3, 6, 9 and 17.